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(71) Applicant (for all designated States except US): **SMART-MEMBRANE CORP** [BS/BS]; 3rd Floor, Trade Winds Building, Bay Street, PO Box N-7823, Nassau (BS).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MCNEIL, John**

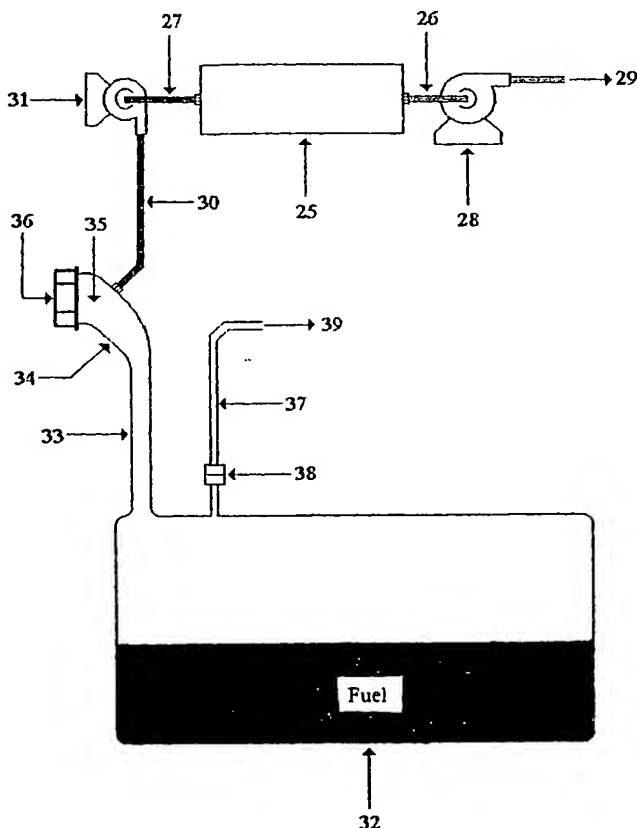
[GB/GB]; 1 The Gallops, Vigo Village, Meopham, Gravesend, Kent DA13 0SS (GB). **VAN DEN GROSS, Andrew** [RU/GB]; Sittingbourne Analytical Laboratory, 955 Cornforth Drive, Sittingbourne Research Centre, Sittingbourne, Kent ME9 8PX (GB). **LYONS, Arthur** [RU/GB]; Sittingbourne Analytical Laboratory, 955 Cornforth Drive, Sittingbourne Research Centre, Sittingbourne, Kent ME9 8PX (GB).

(74) Agent: **FRANK B. DEHN & CO.**; 179 Queen Victoria Street, London ECV4 4EL (GB).

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(54) Title: METHOD AND APPARATUS FOR SEPARATING AIR



(57) Abstract: A gas separation module (25) is disclosed for separating air into nitrogen (27) and oxygen (26) enriched fractions. The nitrogen enriched fraction 27 may be used to inert an atmosphere inside a fuel tank (32). The air is separated into nitrogen (27) and oxygen (26) enriched fractions by providing a plurality of strands of gas separation membrane wound around a core and maintaining a pressure difference across the walls of the strands of membrane. A low pressure difference of ≤ 30 psi maintained across the membrane is able to effect gas separation and provide highly nitrogen enriched air. The membrane has preferably been subjected to a modification technique to increase its gas permeability.



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